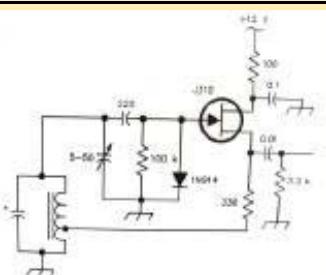
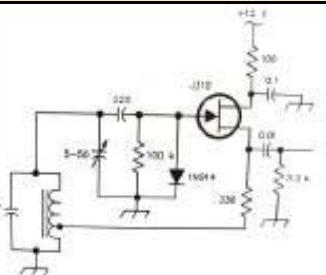


| | | |
|---|-------------------------------|---|
| 2012 | Local Oscillator | March |
|  | <h1>Local Oscillator</h1> |  |
| Mesilla Valley Radio Club | | |

This is a pdf file. It will print easily. A free pdf file reader is at <http://www.adobe.com>

| Current Events | | | Table of Contents |
|---|-----------------------------|----------|--------------------------|
| Date | Event | Time | |
| M—F | 6 m FM net 52.540 | 6:00 AM | NM D-Star Academy |
| M, W, F | Informal Wal-Mart (W) | 10:00 AM | Monthly Business Meeting |
| Mon | WTRA Swap Net 146.88 | 8 PM | Monthly Board Meeting |
| Wed | MVRC Net 146.64 | 6:45 PM | Treasurer Report |
| March 03 | Breakfast Club House | 8 AM | Club Location |
| March 03 | Business Meeting Club House | 9 AM | Club Officers |
| March 06 | Builders Group Club House | 7 PM | Membership Application |
| March 07 | Board Meet Club House | 7 PM | |
| March 20 | Builders Group Club House | 7 PM | |
| For more events see http://www.n5bl.org/calendar | | | |



More information at <http://swantenna.com>



N5BL Operating Position

The Articles for This Month

New Mexico D-STAR Academy

WB4AEJ

On Saturday, February 18th, 2012, the New Mexico D-STAR Academy convened at 8:00 AM at New Mexico Tech in the Mineral Science and Engineering Complex. Several of our MVRC members were in attendance including Dave Anderson (K5DLA), Fred Atkinson (WB4AEJ), Joe Gray (W5JG), Stephen Henderson (N6RHH), Tracy Hooker (KA5ECS), and Rob Truitt (KE5OFK). Also attending was a Las Cruces area ham by the name Cliff Rogers.

The classroom accommodated more than sixty people and it was packed to capacity. Topics covered were:

- o D-Star background and demo.
- o Linking / call sign routing (touched on radio programming, demo, and audience practice).
- o Third party hardware, software, and demo.
- o High speed (1.2 GHz) applications.
- o Hardware / software brainstorm session.

| | | |
|-------------|-------------------------|--------------|
| 2012 | Local Oscillator | March |
|-------------|-------------------------|--------------|

- o D-Star as a useful tool for Emergency Communications.
- o Ins and Outs of repeater operation and maintenance.
- o Overflow, other topics, prize drawing, and wrap-up.

We found that D-STAR was a very well developed mode of digital communication. It allows both voice and data to be quickly carried via a local repeater or over the D-STAR backbone (also known as the Internet). It uses about half of the bandwidth utilized by standard FM communications.

You can either use a D-STAR equipped radio or add some hardware to your home PC and high speed Internet connections to access the D-STAR network. The latter is a great way to do it for people who are living in situations where they cannot set up an antenna.

Though D-STAR is carried via Internet, it does not go down if the Internet goes down. Local communications over the local area repeater continues without delay. Certain parts of the nation (such as Georgia) have deployed it extensively and are actively using it for ARES and RACES communication.

D-STAR can utilize servers that are known as reflectors to link multiple repeaters. Also, D-STAR is currently deployed in most parts of the world. Instruction on how to link and initiate communications via the repeaters were demonstrated.

Icom America was kind enough to lend two twelve hundred megahertz D-STAR radios to demonstrate how they could be used to provide a data link between D-STAR systems.

Much of the presentation was done by New Mexico's own Brian Mileshosky (N5ZGT). We were also joined via Internet by John Davis WB4QDX of Lawrenceville, GA (John was very active in the deployment of D-STAR in Georgia by securing a grant to develop their network. He is also very active in the use of D-STAR in Emergency Management bearing the hats of EC for Gwinnett County ARES and DEC for Georgia ARES. He is considered to be one of D-STAR's most knowledgeable innovators).

Additionally, there were quite a few other volunteers who worked together to make this happen. We wish to express our thanks to them. The organizations providing support for the New Mexico D-STAR Academy were Sandia National Laboratories ARC, Los Alamos D-STAR Repeater Association, Tech Amateur Radio Association, ARRL's New Mexico Section, Colorado Council of Amateur Radio Clubs, Georgia D-STAR, and Icom America.

The Academy was dismissed in the late afternoon and everyone returned home with a better understanding of the D-STAR protocol and the D-STAR network.

| | | |
|------|------------------|-------|
| 2012 | Local Oscillator | March |
|------|------------------|-------|

Monthly Business Meeting

Minutes not available

Monthly Board Meeting

Minutes not available

Treasurer Report

Not available

..

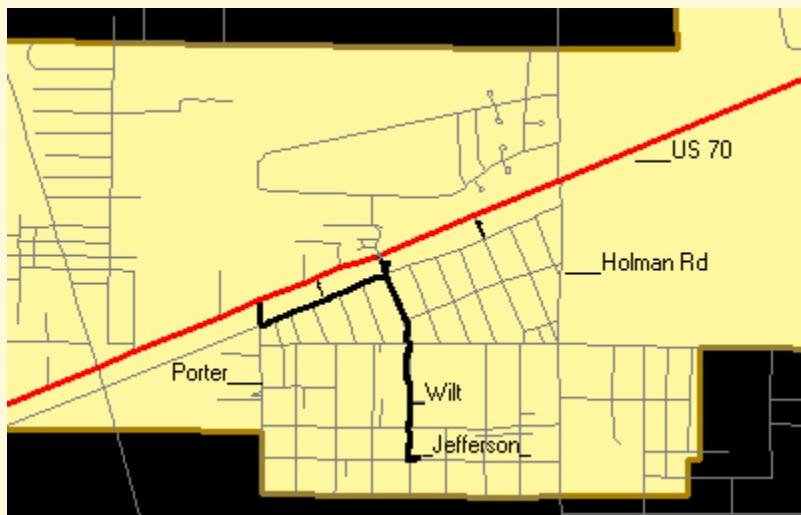
2012

Local Oscillator

March

CLUB INFORMATION

The MVRC Clubhouse is located at the intersection of Wilt and Jefferson. To find the clubhouse, set your destination on your GPS receiver as 32 degrees 22.961 minutes and -106 degrees 41.44 minutes. If you don't own a GPS, take the Porter exit on US 70. It is about 5 miles from the I 25 interchange, near the firehouse. Go south on Porter until you come to Jefferson. There turn left toward the mountains and go to Wilt. You will see the beam on the corner. The treasurer would be delighted to receive your contribution for landscaping and furnishing. More information at <http://n5bl.org>



Officers

| Office | Name | Call | Phone | E-Mail |
|---------------|---------------|--------|----------|--|
| President | Robert Truitt | KE5OFK | 649-4173 | robhtruitt@zianet.com |
| Secretary | Melanie Jack | KD5UZF | 202-3363 | thedragon@melaniestonejack.com |
| Treasurer | Kevin McNelis | K5KMC | 571-7326 | kmcnelis@nmsu.edu |
| Board Members | | | | |
| | Terry Angle | AE5XI | 640-9669 | kf5dns@gmail.com |
| | Bob Bennett | AD5LJ | 382-0148 | rpbennett1@comcast.net |
| | Alex. Burr | K5XY | 522-2528 | k5xy@arrl.net |
| | Cash Olsen | KD5SSJ | 382-1917 | kd5ssj@arrl.net |
| | | | | |
| | | | | |

| | | |
|------|------------------|-------|
| 2012 | Local Oscillator | March |
|------|------------------|-------|

JOIN THE CLUB

To join the Mesilla Valley Radio Club, renew your membership, or to support the repeaters, please print, cut out, and complete the form below. Send it with dues (\$35 single, \$45 family per year, add \$10 to receive the newsletter by US mail instead of e-mail) to: Treasurer, MVRC, Box 1443, Las Cruces, NM 88004.

MESILLA VALLEY RADIO CLUB

CALL SIGN(S) _____ FAMILY yes _____ no _____

LICENSE CLASS (E, A, G, T, N) _____

ARRL (Y/N) _____

ARRL VE (Y/N) _____

Would you like to be added to the MVRC reflector? _____

NAME _____

EMAIL _____

STREET ADDRESS _____

CITY & ZIP _____ PHONE _____ (OPTIONAL)

INTERESTS - Computer _____ Contests _____ Digital _____ Elmer _____ Emergency Communications _____ Field Day _____

Packet _____ Programs _____ Public Service _____ Publicity _____ RFI _____ Repeater _____ Social _____ License Classes _____

Teach License Classes _____ Volunteer Examiner _____ Other _____

SINGLE \$35 FAMILY \$45